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					CUPP* TOTAL
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		RTH CAROLINA F HIGHWAYS	STATE STATE PROJECT REFERENCE NO. SHEET SHEETS $N.C. \hspace{0.5cm} 14C.045165 \hspace{0.5cm} 1\hspace{0.5cm} 17$
	3	7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -			TIP NO. WISS NO DESCRIPTION $14C.045165$
	.04516.	1323 ¹⁰ City 1225 1225 1225 1225 1225 1225 1225 122	HENDERSON	N COUNTY	
	74	125 125 125 125 125 125 125 125 125 125	-		
	CT: 14C	300,000,000 1145	LANE, AND CONTINU 1,200 FEET TO THE A STA 33+75 AND CON LENGTH OF 3,889	T THE INTERSECTION OF NC 19 UE IN A NORTHERLY DIRECTION END OF PHASE 1 AT STA 12+00. NTINUE CONSTRUCTION AGAIN FEET TO THE END OF PROJECT SR 1353, HOOPER LANE, AND SI	N FOR A DISTANCE OF BEGIN PHASE 2 AT FOR AN ADDITIONAL AT STA 72+64 THE
	PROJE	120 100 100 100 100 100 100 100 100 100		SECONDARY RD CONSTRUCT OF DRAINAGE, BASE, PAVEME	
		SR 1353 Hooper Lane			
	TIP	NOT TO SCALE	Jeffress Rd.	Powers But 1999 Rd. 1	Phase 2 End 72+64
				HooperLin	Phase 2 End 12+64 Phase 2 Begin 33+75
				Mills River Park Mills River Park Mills River	
			To Mills River	Ra	
	525				
	V005		Phase IEnd I2+00	Maylo	
			Phase Begin 0+00	N. Rugby Rd.	
	••		N	To Hendersonville NOT TO SCALE	
	CJ		PROJECT LENGTH	Prepared In the Office of: DIVISION OF HIGHWAYS	HYDRAULICS ENGINEER
	7		HOOPER LANE- 14C.045165	4142 Haywood Rd., Mills River NC, 28759 2018 STANDARD SPECIFICATIONS	CAN OF HORTH CAN
	TR			MILES) RIGHT OF WAY DATE: S.L. Cannon, PE	ATURE:
118	Z	PHASE 2: 33	$B+75 \ TO \ 72+64 $ (0.74)	MILES) April 22, 2016 PROJECT ENGINEER	ROADWAY DESIGN ENGINEER
04/26/2018	CONT	TOTAL	PROJECT LENGTH (0.97 MILES)	LETTING DATE: May 23, 2018 T.J. Wagner, EI PROJECT DESIGN ENGINEER	OF THANST
70		IOIAL	I NOJECI LENGIII (0.77 MILES)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	VATURE:

1/26/1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

INDEX OF SHEETS

SHEET NUMBER:	SHEET:	
1	TITLE SHEET	GENERAL NOTES:
<i>1A</i>	INDEX OF SHEETS	ALL THE STANDARD DRAWINGS LISTED IN THIS CONTRACT, MAY OR MAY NOT BE APPLICABLE.
1B	CONVENTIONAL SYMBOLS	
2A	PAVEMENT SCHEDULE & TYPICAL	UTILITY OWNERS ON THIS PROJECT ARE:
2 D -1 ·····	WATTLE (WITH PAM) DETAIL	MORRIS BROADBAND LLC. (828–772–1167), AT&T (1–800–778–9140), PSNC ENERGY (877–776–2427), DUKE ENERGY (800–769–3766),
2 D -2 ·····	ROCK INLET SEDIMENT TRAP TYPE 'C' DETAIL	ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.
2 D -3 ·····	TEMPORARY SILT FENCE DETAIL	BI OMEAS.
2 D –4 ·····	SILT BASIN TYPE 'B' DETAIL	
2 D –5	TEMPORARY ROCK SILT CHECK TYPE 'B'	
2D-6	CONCRETE OPEN THROAT CATCH BASIN DETAIL 1	2018 STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES EFF. 01–16–2018
2 D -7	CONCRETE OPEN THROAT CATCH BASIN DETAIL 2	The following Roadway Specifications as appear in "Standard Specifications For Roads And Structures"
3 D -1	LIST OF PIPES, ENDWALLS, ETC	Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:
4	PHASE 1 PLAN SHEET	SPEC NO. TITLE
5	PHASE 2 PLAN SHEET A	DIVISION 5 - SUBGRADE, BASES AND SHOULDERS Section 535 Conditioning Existing Base
6	PHASE 2 PLAN SHEET B	DIVISION 6 – ASPHALT PAVEMENTS Section 660 Asphalt Surface Treatment
7	PHASE 2 PLAN SHEET C	Section 610 Asphalt Concrete Plant Mix Pavements Section 620 Asphalt Binder For Plant Mix
8	PHASE 2 PLAN SHEET D	DIVISION 11 – WORK ZONE TRAFFIC CONTROL Section 1105 Temporary Traffic Control Devices
		DIVISION 12 – PAVEMENT MARKINGS, MARKERS AND DELINEATION Section 1205 Pavement Marking General Requirements

PROJECT REFERENCE NO.	SHEET NO.
<i>14C.045165</i>	IB

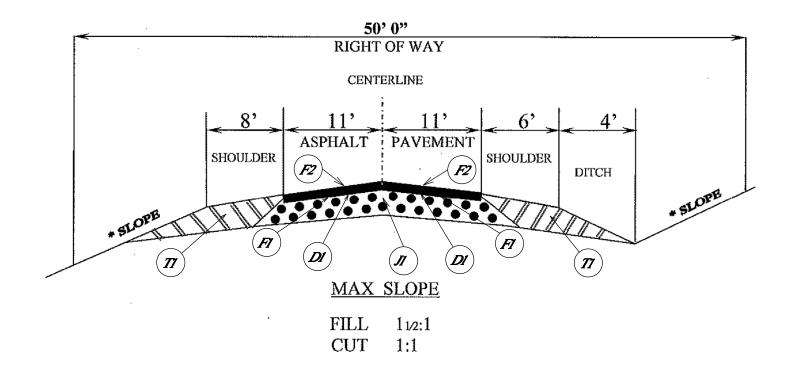
STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

BOUNDARIES AND PROPERTY:		CONVENTIONA Note: Not to S		AN SHEET SYMBC Output Output Distribution Distribution Output Distribution Distribu)L3	WATER:	
State Line		RAILROADS: Note: Not to S				Water Manhole	– w
County Line		Standard Gauge ————	CSX TRANSPORTATION	Hedge ————		Water Meter	
Township Line		RR Signal Milepost	€ MILEPOST 35	Woods Line		Water Valve	_ &
City Line		Switch —		Orchard —		Water Hydrant	
Reservation Line		RR Abandoned —————		Vineyard —	Vineyard	U/G Water Line LOS B (S.U.E*)	
Property Line		RR Dismantled ————————————————————————————————————		EXISTING STRUCTURES:		U/G Water Line LOS C (S.U.E*)	
existing Iron Pin	_ 0			MAJOR:		U/G Water Line LOS D (S.U.E*)	
Computed Property Corner		RIGHT OF WAY & PROJECT CO	ONTROL:	Bridge, Tunnel or Box Culvert ————	CONC	Above Ground Water Line	A/G Water
Property Monument		Secondary Horiz and Vert Control Point	•	Bridge Wing Wall, Head Wall and End Wall –	CONC WW	Above Ground water line	
Parcel/Sequence Number ————————————————————————————————————	Low	Primary Horiz Control Point —————	Ö	MINOR:		TV:	
existing Fence Line		Primary Horiz and Vert Control Point	•	Head and End Wall ——————	CONC HW	TV Pedestal	
roposed Woven Wire Fence		Exist Permanent Easment Pin and Cap	\Diamond	Pipe Culvert ————		TV Tower	_
roposed Chain Link Fence		New Permanent Easement Pin and Cap —		Footbridge ———>	·	U/G TV Cable Hand Hole	
Proposed Barbed Wire Fence		Vertical Benchmark	×	Drainage Box: Catch Basin, DI or JB ———	СВ	U/G TV Cable LOS B (S.U.E.*)	
roposed Barbed Wire Fence			$\overline{\triangle}$	Paved Ditch Gutter		U/G TV Cable LOS C (S.U.E.*)	
existing Wetland Boundary Troposed Wetland Boundary		Existing Right of Way Line		Storm Sewer Manhole ————		U/G TV Cable LOS D (S.U.E.*)	
		New Right of Way Line		Storm Sewer		U/G Fiber Optic Cable LOS B (S.U.E.*)	TV F0
ixisting Endangered Animal Boundary		New Right of Way Line with Pin and Cap—	_			U/G Fiber Optic Cable LOS C (S.U.E.*) —	
existing Endangered Plant Boundary			w =	UTILITIES:		U/G Fiber Optic Cable LOS D (S.U.E.*)	
ixisting Historic Property Boundary		New Right of Way Line with Concrete or Granite R/W Marker	$ \stackrel{\bigcirc}{\mathbb{R}}$ $\stackrel{\bigcirc}{\mathbb{R}}$	POWER:	1	GAS:	
(nown Contamination Area: Soil		New Control of Access Line with		Existing Power Pole —	•	Gas Valve	
otential Contamination Area: Soil		Concrete C/A Marker	(A)	Proposed Power Pole —	Ò	Gas Meter	- ♦
nown Contamination Area: Water		Existing Control of Access	—— (Ē) ——	Existing Joint Use Pole		U/G Gas Line LOS B (S.U.E.*)	
otential Contamination Area: Water ———		New Control of Access	<u> </u>	Proposed Joint Use Pole	-6-	U/G Gas Line LOS C (S.U.E.*)	
Contaminated Site: Known or Potential —		Existing Easement Line	——E——	Power Manhole	®	U/G Gas Line LOS D (S.U.E.*)	
BUILDINGS AND OTHER CULT		New Temporary Construction Easement -	——Е——	Power Line Tower —	\boxtimes	Above Ground Gas Line	
Gas Pump Vent or U/G Tank Cap ————		New Temporary Drainage Easement ——	TDE	Power Transformer —	Ø		
ign ———		New Permanent Drainage Easement ——	PDE	U/G Power Cable Hand Hole		SANITARY SEWER:	
Vell —		New Permanent Drainage / Utility Easement	DUE	H-Frame Pole	•••	Sanitary Sewer Manhole	
mall Mine		New Permanent Utility Easement ———	PUE	U/G Power Line LOS B (S.U.E.*)		Sanitary Sewer Cleanout —	-
oundation —		•	TUE	U/G Power Line LOS C (S.U.E.*)		U/G Sanitary Sewer Line ————————————————————————————————————	
rea Outline —		• • •	——— AUE———	U/G Power Line LOS D (S.U.E.*)	P	Above Ground Sanitary Sewer	
Cemetery —		,,	7.02	TELEPHONE:		SS Forced Main Line LOS B (S.U.E.*)	
Building ————————————————————————————————————		ROADS AND RELATED FEATUR	ES:			SS Forced Main Line LOS C (S.U.E.*) ——	
chool —	_ 📥	Existing Edge of Pavement		Existing Telephone Pole		SS Forced Main Line LOS D (S.U.E.*)——	FSS
Church —		Existing Curb		Proposed Telephone Pole ————	-0-	MISSELLANIFOLIS	
Dam —		Proposed Slope Stakes Cut —		Telephone Manhole	①	MISCELLANEOUS: Utility Pole ————————————————————————————————————	
HYDROLOGY:		Proposed Slope Stakes Fill —		Telephone Pedestal ——————			
Stream or Body of Water —————		Proposed Curb Ramp		Telephone Cell Tower ————————————————————————————————————		Utility Pole with Base —	
tydro, Pool or Reservoir ———————	- [Existing Metal Guardrail		U/G Telephone Cable Hand Hole ———		Utility Located Object —	
urisdictional Stream		Proposed Guardrail		U/G Telephone Cable LOS B (S.U.E.*) ———		Utility Traffic Signal Box	
Buffer Zone 1		Existing Cable Guiderail		U/G Telephone Cable LOS C (S.U.E.*) ——		Utility Unknown U/G Line LOS B (S.U.E.*)	
Buffer Zone 2 ———————————————————————————————————	— —— ви 2——	Proposed Cable Guiderail		U/G Telephone Cable LOS D (S.U.E.*) ——	т	U/G Tank; Water, Gas, Oil ———————————————————————————————————	
low Arrow				U/G Telephone Conduit LOS B (S.U.E.*) ——	тс	Underground Storage Tank, Approx. Loc. —	
Disappearing Stream ————————————————————————————————————	_>	Equality Symbol	•	U/G Telephone Conduit LOS C (S.U.E.*)		A/G Tank; Water, Gas, Oil ——————	
Spring ————————————————————————————————————		Pavement Removal		U/G Telephone Conduit LOS D (S.U.E.*)		Geoenvironmental Boring ————————————————————————————————————	0
Vetland —————		VEGETATION:		U/G Fiber Optics Cable LOS B (S.U.E.*)		U/G Test Hole LOS A (S.U.E.*)	- 💿
Proposed Lateral, Tail, Head Ditch ————	-	Single Tree	· £	U/G Fiber Optics Cable LOS C (S.U.E.*)—		Abandoned According to Utility Records —	- AATUR
False Sump ————————————————————————————————————		Single Shrub —	• •	U/G Fiber Optics Cable LOS D (S.U.E.*)—		End of Information ————————————————————————————————————	– E.O.I.

PROJECT REFERENCE NO. SHEET NO.

14C. 045165 2A

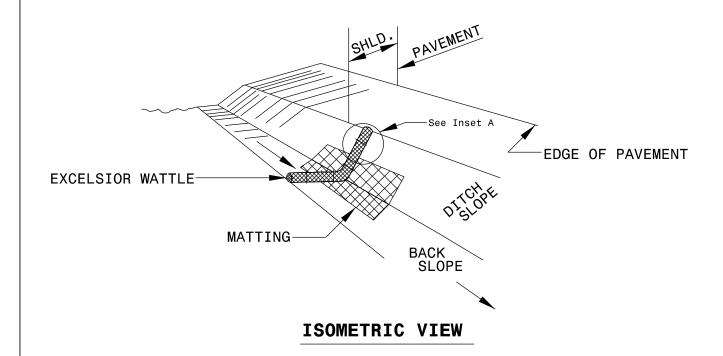
SR1353 — HOOPER LANE

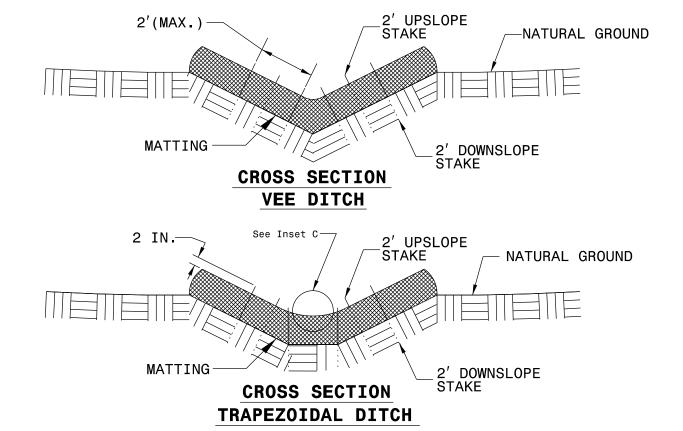


PAVEMENT SCHEDULE									
F1	AST DOUBLE SEAL								
F2	FOG SEAL								
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS/SY/IN								
T1	SHOULDER RECONSTRUCTION - EARTH MATERIAL								
J1	8" AGGREGATE BASE COURSE								

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

			_
PROJECT REFERENCE NO	SHEET NO.		
<i>14C.045165</i>		2D-I	
R/W SHEET N	10.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	





NOTES

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

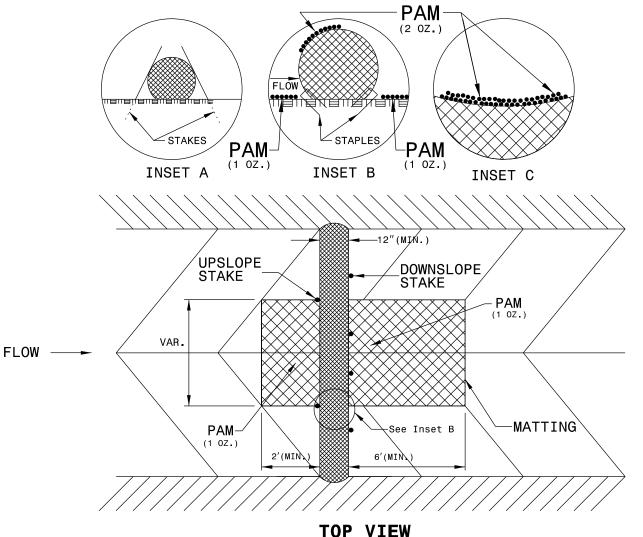
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

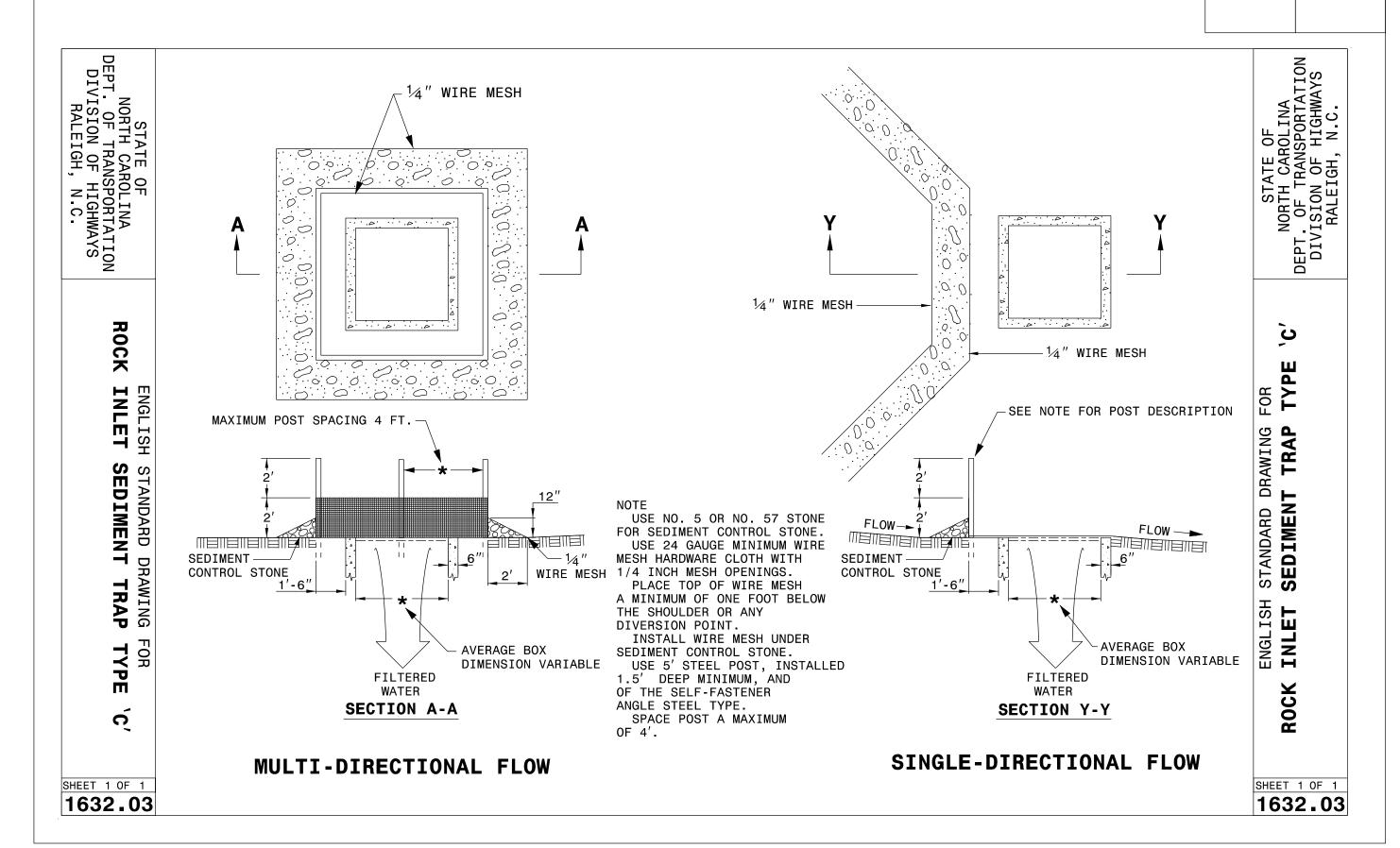
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT REFERENCE NO) .	SHEET NO.			
14C.045165 2D-2					
R/W SHEET N	10.				
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER				

ROCK INLET SEDIMENT TRAP TYPE 'C' DETAIL



CT REFERENCE NO. SHE						
	2D-3					
R/W SHEET NO.						
	HYDRAULICS ENGINEER					

TEMPORARY SILT FENCE DETAIL

-8' MAX. WITH WIRE -6' MAX. WITHOUT WIRE)

STATE OF
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DIVISION OF HIGHWAYS
RALEIGH, N.C.

MIDDLE AND VERTICAL WIRES SHALL BE 121/2 GAUGE MIN. TOP AND BOTTOM STRAND SHALL BE 10 GAUGE MIN. TEMPORARY SILT FENCE WIRE FILTER FABRIC **NOTES** USE WIRE A MINIMUM OF 32" FILTER FABRIC IN WIDTH AND WITH A MINIMUM OF 6 LINE WIRES WITH 12" STAY COMPACTED FILL SPACING. USE FILTER FABRIC A MINIMUM OF 36" IN WIDTH AND FASTEN ADEQUATELY TO THE WIRE AS

STATE OF
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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR FENCE SILT **TEMPORARY**

STEEL POST - 2'-0" DEPTH

EXTENSION OF FABRIC AND

WIRE INTO TRENCH

SHEET 1 OF 1 1605.01

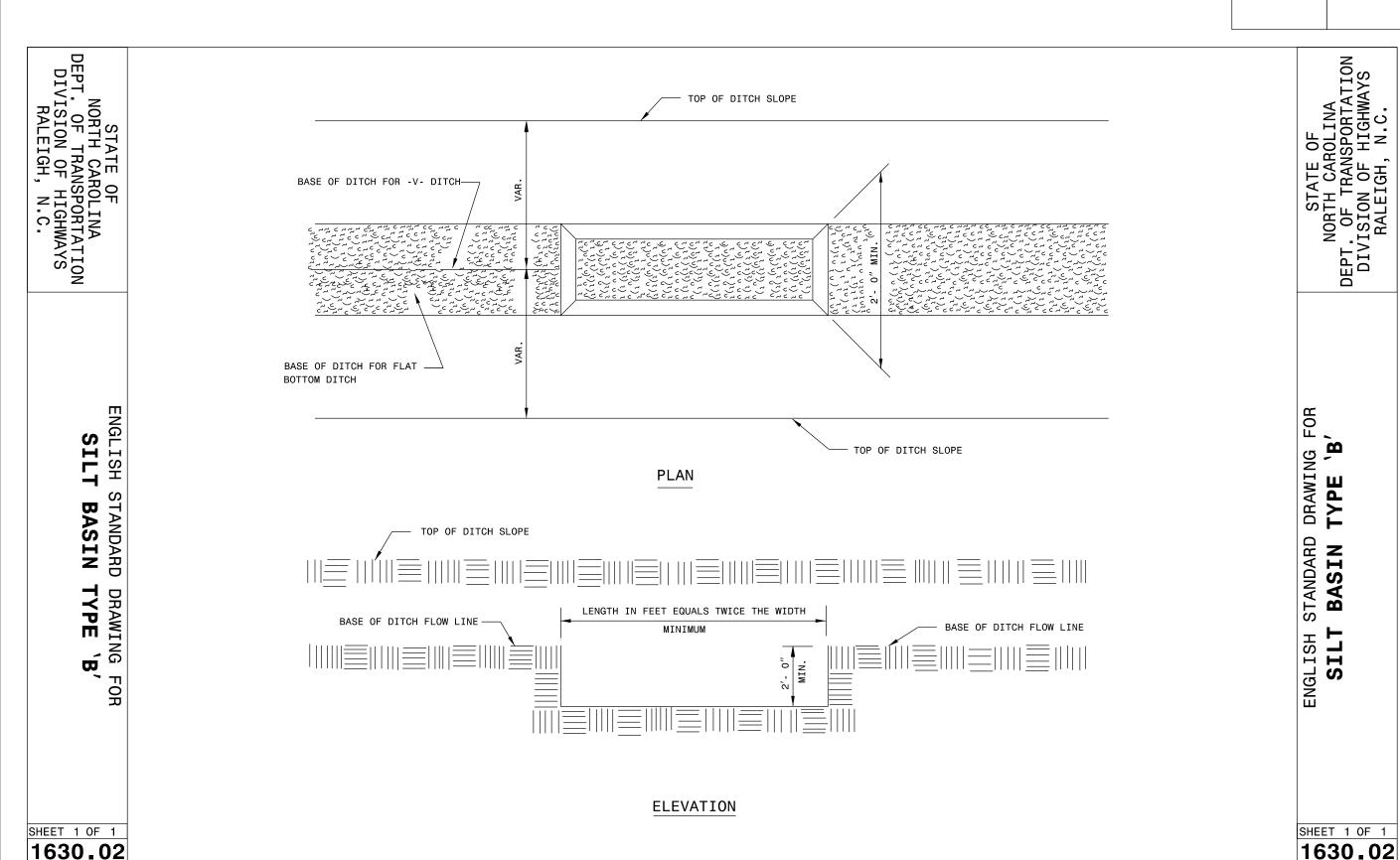
DIRECTED BY THE ENGINEER. PROVIDE 5'-0" STEEL POST OF THE SELF-FASTENER ANGLE STEEL TYPE.

SHEET 1 OF 1

1605.01

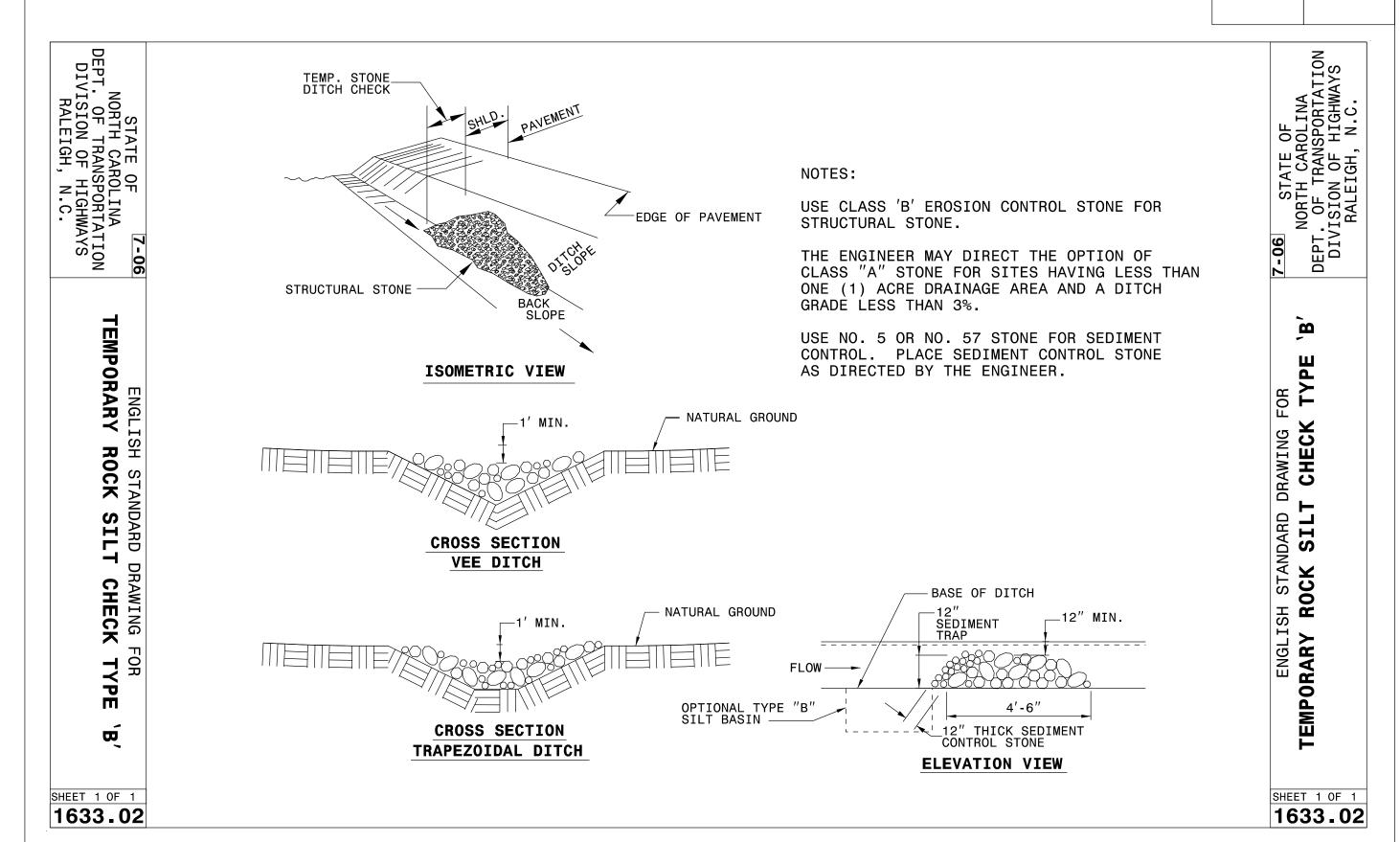
PROJECT REFERENCE NO	Э.	SHEET NO.		
14C . 045165		2D-4		
R/W SHEET N	10.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER		

SILT BASIN TYPE 'B'



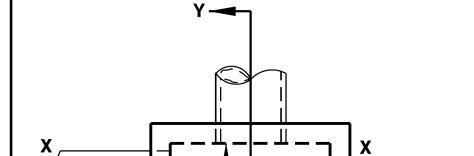
PROJECT REFERENCE NO).	SHEET NO.
14C . 045165		2D-5
R/W SHEET N	10.	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B'



PROJECT REFEREN	NCE NO.	SHEET NO.				
14C . 0451	14C.045165 RW SHEET NO.					
R/W S						
ROADWAY DESIG ENGINEER	N	HYDRAULICS ENGINEER				

CONCRETE OPEN THROAT CATCH BASIN DETAIL SHEET 1 OF 2



NOTES: USE CLASS "B" CONCRETE THROUGHOUT.

PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.

USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

FOR $8^\prime\text{-}0^{\prime\prime}$ IN HEIGHT OR LESS USE $6^{\prime\prime}$ WALLS AND BOTTOM SLAB. OVER $8^\prime\text{-}0^{\prime\prime}$ TO $16^\prime\text{-}0^{\prime\prime}$ IN HEIGHT USE $8^{\prime\prime}$ WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.

CONSTRUCT WITH PIPE CROWNS MATCHING.

INSTALL 2" WEEPHOLES AS DIRECTED BY THE ENGINEER.

INSTALL STONE DRAINS, OF A MINIMUM OF 1 CUBIC FOOT OF NO. 78M STONE IN A POROUS FABRIC BAG OR WRAP, AT EACH WEEP HOLE OR AS DIRECTED BY THE ENGINEER.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.

*INCREASE THE SIZE OF THE 6" OPENING TO 8" MAX., AS DIRECTED BY THE ENGINEER BY ADDING 2" TO THE WALL HIEGHT ABOVE THE TOP ELEVATION. ADJUST QUANTITIES ACCORDINGLY.

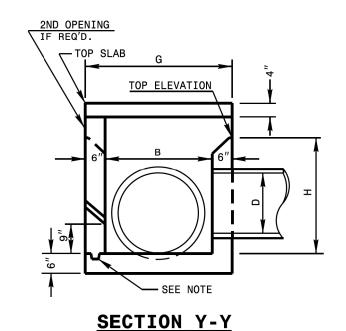
TOP SLAB

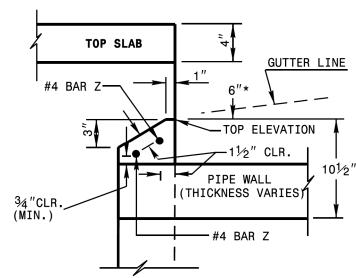
OPENING

OP

PLAN

" WEEP HOLES





PART SECTION Y-Y

SHOWING DETAILS AT OPENING

ightharpoonup	\																			
α		MIN. DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H)																		
.]	DED. ONE 6" THROA	LES DEDUCTION 6" TH				TOP & BOT. SLAB			TOP & BOT. SLAB				ORCING	EINF	R		E	OX & PIP	M'S OF B	D:
	OPENING					DIMENSIONS IN BOX		Z DIMENSIONS		DIMENSIONS		RS - Z	BAI	ARS - Y	BA	RS - X	BA	HEIGHT	WIDTH	SPAN
	YD ³	R.C.	c.s.	YD ³ (MIN H)	LBS. REINF.	WALL/FT. HT.	BOT. SLAB	TOP SLAB	G	LENGTH NO. LENGTH NO. LENGTH F G		NO.	Н	В	Α	D				
	0.046	0.032	0.015	1.046	27	0.250	0.271	0.181	3'-3"	4'-6"	4'-3"	2	4'-3"	6	3'-0"	4	1'-10"	2'-3"	3'-6"	12"
	0.046	0.036	0.023	1.108	27	0.250	0.271	0.181	3'-3"	4'-6"	4'-3"	2	4'-3"	6	3'-0"	4	2'-1"	2'-3"	3'-6"	15"
]	0.053	0.049	0.033	1.379	35	0.284	0.340	0.226	3'-8"	5'-0"	4'-9"	2	4'-9"	7	3'-5"	5	2'-4"	2'-8"	4'-0"	18"
	0.053	0.085	0.059	1.521	35	0.284	0.340	0.226	3'-8"	5'-0"	4'-9"	2	4'-9"	7	3'-5"	5	2'-10"	2'-8"	4'-0"	24"
	0.053	0.127	0.092	1.916	43	0.315	0.417	0.278	4'-6"	5'-0"	4'-9"	2	4'-9"	9	4'-3"	5	3'-4"	3'-6"	4'-0"	30"
SH	0.059	0.178	0.132	2.390	51	0.352	0.510	0.340	5'-0"	5'-6"	5'-3"	2	5'-3"	10	4'-9"	5	3'-10"	4'-0"	4'-6"	36"
	0.066	0.243	0.180	2.914	64	0.389	0.611	0.407	5'-6"	6'-0"	5'-9"	2	5'-9"	12	5'-3"	5	4'-4"	4'-6"	5'-0"	42"
7	0.066	0.317	0.235	3.298	68	0.407	0.666	0.444	6'-0"	6'-0"	5'-9"	2	5'-9"	13	5'-9"	5	4'-10"	5'-0"	5'-0"	48"

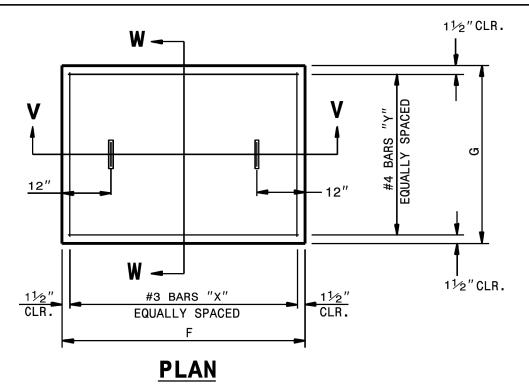
1-18 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. S 4 $\mathbf{\Omega}$ **H**3 DRAWING AT CAT PI **THROA** STANDARD THRU **OPEN** α ROADWAY CONCRETE

840.04

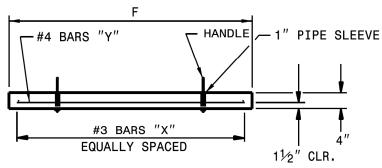
PROJECT REFERENCE NO	Э.	SHEET NO.
14C . 045165	2D-7	
R/W SHEET N		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

1-18 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

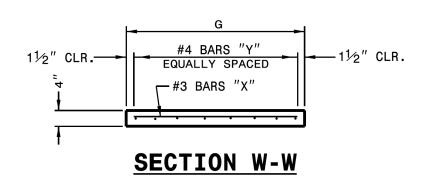
CONCRETE OPEN THROAT CATCH BASIN DETAIL SHEET 2 OF 2

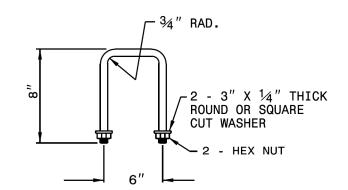


PRECAST OR CAST IN PLACE TOP SLAB

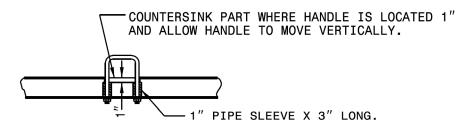


SECTION V-V



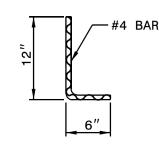


DETAIL OF HANDLE



PART SECTION

THRU COVER SHOWING HANDLE



DOWEL

CONCRETE OPEN THROAT CATCH BASIN
12" THRU 48" PIPE

SHEET 2 OF 2

840.04

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

 PROJECT REFERENCE NO.
 SHEET NO.

 14C.045165
 3D-1

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300–5".

SUB-REGIONAL & REGIONAL LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	N (LT,RT, OR CL)	STRUCTURE NO.	ATION	ELEVATION	ELEVATION	CRITICAL		SII (RCP, CSF	SIDE DRAIN PIPE CSP, CAAP, HDPE, or PVC)				C.S. PIPE				R. (CI			R.C. PIPE (CLASS III)				R.C. PIPE (CLASS IV)				CONTRACTOR DESIGN PIPE		IN PIPE	STD. STD. STD. (U	838.01, . 838.11 OR . 838.80 NLESS OTED ERWISE)	QUANTITIES FOR DRAINAGE	STRUCTURES * TOTAL L.F. FOR PAY		тр. 840.02		FRAME, AND I ANDARI	GRATES HOOD D 840.0	03	CONCRETE TRANSITIONAL SECTION							O. & SIZE	C.Y. STD 840.72		JG, C.Y. STD. 840.71			D.I. DROP IN	BASIN DROP INLET LET DROP INLET					
SIZE	OCATIC		TOP ELEY	INVERT		ш	15" 1	8" 24" 3	36"	42" 4	8" 8	CAAP	H H	12" 1	5" 18	24"	36"	42" 4	8" 15	18"	24"	30"	36"	42"	18" 1	2" 15	5″ 18	24"	30"	36" 4	12" 48	SS V)	VERTS, 0	VERTS, 0	ᆲ	CI	. YDS.	1 -	Α	_	OR S												OWS NC	CL. "B"		PIPE PLU	F. F.		J.B. JUNCTION MANHOL	E
THICKNESS OR GAUGE	*C	01		-	-						NOT USE	32 33	NOT USE		.064	.064	620.	901.	.109													R. C. PIPE (CL/	5	R. C. PIPE CUI	15" SIDE DRAIN 18" SIDE DRAIN 1	R.C.	C.S.P.	EACH	FER EACH (0' TH 5.0' THRU 10.0' 10.0' AND ABOV	AND AB	STD		YPE OF GRATE			CATCH BASIN	DROP INLET						CORR. STEEL ELB	CONC. COLLARS		CONC. & BRICK	PIPE REMOVAL L		T.B.J.B. TRAFFIC BEARING DROP II T.B.J.B. TRAFFIC BEARING JUNCTIC	BEARING JUNCTION BOX
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2 + 13	CL														50) [']																																												
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2+50	RT						15	50'																			-																					-						 	+					
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PROJECT REFERENCE NO. SHEET NO. *14C.045165* *NOTE* EXISTING BRIDGE #147 OVER MILLS RIVER LOCATED APPROXIMATELY 195FT IN SOUTHERLY DIRECTION FROM THE BEGINNING OF PHASE 2: STATION 33+75. VINE RIPE INVESTMENTS INC PO BOX 609 MILLS RIVER, NC 28759 9641264549 DB 1603/PG 593 BEGIN PHASE 2 33+75 INSTALL SILT FENCE AS TEMPORARY DIVERSION 2'BEYOND BACK OF DITCH 50' R/W 50′R/W --- at --- at --- at --- at --08 50' R/W 02 50' R/W 50' R/W INSTALL SILT FENCE AS TEMPORARY DIVERSION 2' BEYOND BACK OF DITCH PATTEN SEED COMPANY 3086 FIVE CHOP RD ORANGEBURG, SC 29115 9641674219 001167/00089 *NOTE* DRAWING NOT TO SCALE AND PROPERTY LINES ARE APPROXIMATE

